M=FxF M2 VF senA M = Fd sen 0 = Fd b V(d+a)2+b2 = d (Fb) [(q+a)2 +p2] = 95 Ks [d2+2ad+q2+b2]=d2k2 95 Kz - 95 - 5ag - 95 - ps d2 (K2-1) + d (-2a) + (-a2-b2) = 0 a= K2-1 -> 4.0625 4.29 4.416 4.44 -0.6 -0.8 C= -q2-b2 = -0.9 (-1.16 -1.46) -1.8 0.622 1 0.699 d, (m) -0.40 -0.435 -0.478 -0.516 d2 (m) Tomal Tend2 tend3 Tend4 M (N.M) 960 1000 1040 F (N) 2400 2300 2200 2100 p (w) 1.1 d (m) 0.3 0.5 0.6 La Solución Para los 2 etvos temas se adjunta Op = 175 mm F1 = 150 N A 200 F2 = 230 N 1 F3 = 165 N 5100 F4 = 320 N \$ 100 ri= (-4051 + 29.93) + 82.22 f) mm F1= (01-140.95] +51.30 () min F, senzoo M= (131251+20777.72)+==0062

+ 57086.33 k) N.mm

1 = (-4051 +05 -97-5k) an F2= (01 - 2151 +0R) N M2= (-18812,51+01+87075 R) Norma 100 1835en 82 (-180 i +86.17) - 15.19 R) am F3=(01-28.651-162.49 R)N M3=(-1+437.57 + 29 248.79 5 +5157.35 R) N.MM Facostoo ra=(-180?-86.77)+15.19 k) mm Fa= (0i-45.14) - 256.05 R) N P4 Sealo + 8126.73 P) N.M.M. FR = (01 - 429.75] -367.24 R) N MR= (2625) -54560,07) +157445,41 }) U.MM FR = F, +F2+F3+F4 MR=M, +M2 +M3+M4 01= Tan-1 3000 = 38,660 3 - Tame + Vice somm opation 02 = Tan 1 80mm = 21.80 9 5 Mc = 600 N. 200 mm - FBE SEN OZ X100 mm = 0 FBE = 600 N. 200 mm. SEN 21.8° x 100 mm = 3231, 298 U \$ EMB = 600 N. 100 mm - For sen 0, 100 mm = 0 FCF = 600 N. 100 mm = 960.465 U = ZFx = Fc F cos 0, + FBE Cos 02 - Dx =0 Dx = 960.465 NCOS 38. 660 + 3231.298 N COS 21.80 Dx= 3748.531 N